Section III

AMENDMENT UNDER 37 CFR §1.121 to the DRAWINGS

No amendments or changes to the Drawings are proposed.

Section IV

AMENDMENT UNDER 37 CFR §1.121

REMARKS

Rejections under 35 U.S.C. §112, First Paragraph

In the reasons for these rejections, there is an incomplete sentence at the bottom of page 2 " . . . that the inventor(s), ". We believe this was meant to read ". . . that the inventor(s) were in possession of the invention." (underlined portion is our assumed missing portion of the rationale). If this is incorrect, for example if the rejection was an enablement rejection, we respectfully request clarification of the rejection and an opportunity to respond.

Automatic Operation. Regarding the claim phrase "without further user command", we were emphasizing the "automatic" aspects of our invention which minimize or eliminate many user commands and operations to streamline information gathering about a user-selected object. We believe our disclosure not only explicitly describes automatic operations, but inherently describes automatic operations through comparisons of lengthy repetitious user operations without our invention to streamlined machine-assisted user operations with our invention.

We also believe that the phrase "without further user command" is probably redundant with the adjective "automatic", as supported by dictionary definitions of "automatic", such as:

automatic

adjective

1. operating with minimal human intervention; independent of external control; "automatic transmission"; "a budget deficit that caused automatic spending cuts" [ant: **manual**] *Source: WordNet® 3.0. Retrieved June 02, 2008, from Dictionary.com website: http://dictionary.reference.com/browse/automatic*

We have amended the claims to remove the phrase "without further user command" for this reason. We respectfully request reconsideration of these rejections

Automatic Operation Throughout a Day Period. In particular, regarding the phrase "without further user command *throughout a day period*", we are referring to our solution to the problem which traditionally requires a user to re-enter the same search information over and over during a work day (our emphasis added for the convenience of the Examiner):

> [0005] A trader may also watch "data walls", such as those operated by Trans-Lux, and the trader may use an IPC Tradenet telephone network as needed. Each trader also typically has access to a personal computer ("PC"). All of these devices are arranged on a trader desk or console where they can physically be monitored and operated by a trader **throughout his or her work day**.
>
> [0006] So, through all of these means, a typical trader may try to monitor several datafeeds, such as Reuters and Bloomberg, as well as access databases of historical information regarding various financial instruments and companies, such as the Center for Research in Securities Prices (CRSP) at the University of Chicago, and Standard and Poor's Compustat. Further, the trader may have access to analysts reports, such as I/B/E/S, from his or her PC. The PC itself is usually equipped with analytical and charting software, such as Leading Market Technologies' EXPO data visualization and analysis package, for processing and analyzing "raw" data received from the datafeed services. Additionally, the trader may use the PC and a browser to "check" or visit various web sites for news and information **throughout the day** and while making investment decisions.

Throughout a typical day, a user of these types of systems will re-enter the same search criteria over and over to get updated search results, as we illustrated in ¶0037 - 0038 (our emphasis added for the convenience of the Examiner):

> [0037] Figure 1 illustrates the arrangement of systems of the prior art. A user (10), such as a stock trader, uses a PC with a web browser (11) to access a plurality of web servers (100) or "web sites" (13, 14, 15) to

obtain various bits of information from datafeeds and databases. Under this tradition model, in order for the user to get a stock quote, read press releases, obtain analyst's reports, and search the web in general for other possible interesting information about a particular company or financial instrument, the user performs the following actions:

(a) navigate to a stock quote service home page;
(b) enter the company's ticker symbol;
(c) receive the quote and save the data to local storage for later analysis;
(d) navigate to the company's home page;
(e) navigate to the company's investor relations page;
(f) print or save to disk the company's latest press releases;
(e) navigate to an analyst service home page;
(f) search for analyst reports from the analysis service;
(g) save or print the analysts' reports if any are found;
(i) navigate to a general purpose search engine;
(j) perform a search on a set of keywords including the company name, product names, etc.; and
(k) follow one or more "hits" or returns from the search engine results to review, print and/or save some of the interesting information.

[0038] In this process, the user has entered the company's name or ticker symbol at least four times, probably many more, which represents **unnecessary repetition of tasks** by the user and accounts for considerable time **during a normal working day**.

However, immediately following our illustration of this problem of repetitious user commands, we disclosed how our system eliminates or minimizes this effort:

[0038] In this process, the user has entered the company's name or ticker symbol at least four times, probably many more, which represents unnecessary repetition of tasks by the user and accounts for considerable time during a normal working day.

Under the OAN paradigm of the present invention, the user must simply:

(a) select the company of interest from a pre-configured list of companies and financial instruments, which causes

the immediate effect of
filtering or pre-populating the information modules in the Content Pane according to that selection;

(b) select "get quote" action, or use "point-and-click" navigation to see the pre-populated "quote" information module;

(c) select "get company news releases" action, or navigate to the "News Releases" module which has been filtered and sorted according to the selected company object; and

(d) select "get analyst reports" action, or navigate to the "Analysis Reports" module which has been filtered and sorted according to the selected company object.

[0039] In another aspect of the invention, a general search on keywords related to the "objects" available to the user is **continuously or periodically executed**, and the results of this "broader" search are presented in a less conspicuous manner to allow the user to get more information if desired.

We believe our disclosure of our "continuously or periodically executed" searches and updates in paragraphs 0038 - 0039 when read by one of ordinary skill in the art in the immediate context of the description of the repetitious user command problem in paragraphs 0037 - 0038, that such an artisan would recognize we were in possession of the invention as claimed (e.g. "continuously or periodically executed and updating throughout a day period"):

. . . throughout a day period:
automatically repeating execution . . .;
automatically repeatedly updating . . .;
periodically automatically performing a general search . . .; and
periodically automatically presenting results of said broad search; and

We respectfully request the Examiner to reconsider this aspect of these rejections.

Avoiding Reloading of Single Web Page. Regarding the phrase "without reloading said single web page", we believe the disclosure at our ¶0025, ¶0031, and ¶0057 is sufficient for one ordinarily skilled in the art to understand that our novel steps and division of functionality between the server, web browser, and gatekeeper allows the page contents to be updated without reloading (e.g. "blanking") the browser display (our emphasis added for the Examiner's convenience):

> [0057] When objects or category headers are selected in the Context Pane, the associated web browser JavaScript macro is executed. If the requested information is already available in the appropriate tool frame in the Content Pane, then the JavaScript macro will simply highlight the information, bring it to the top of the layers and workspaces in the display, and filter/sort it if necessary. If the information is not currently available locally to the web browser, the JavaScript may contact the Gatekeeper to obtain the information, which after its receipt, will be formatted and displayed in the relevant tool frame(s). This process of updating only ***the*** affected tool frames allows avoids the need to completely reload ***the*** web page in the web browser, which results in an undesirable blanking of the browser display during reload.

By referring to **"the"** web page, we are referring to a ***single*** web page, as disclosed at ¶0025 (our emphasis added for the Examiner's convenience):

> [0025] The present invention provides an integrated approach to the aggregation and management of information from a variety of sources ***on a single web page***. It allows selective "drill-down" by the user to obtain more detailed information, as desired. Because the user interface and operation paradigm matches the user's natural perspective and processes in that it focuses first on information objects and second on tasks to perform on those objects, it is intuitive and efficient to use.

We respectfully request the Examiner's reconsideration, especially in view of our modified claim wording around this phrase to closely follow the wording of our disclosure.

Request for Indication of Allowable Subject Matter

We believe we have responded to all grounds of rejection and objection, but if the Examiner disagrees, we would appreciate the opportunity to supplement our reply.

We believe the present amendment places the claims in condition for allowance. If, for any reason, it is believed that the claims are not in a condition for allowance, we respectfully request constructive recommendations per MPEP 707.07(j) II which would place the claims in condition for allowance without need for further proceedings. We will respond promptly to any Examiner-initiated interviews or to consider any proposed examiner amendments.

Respectfully,

/ Robert Frantz /

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